

Data File : BE093322.D
Acq On : 21 Jun 2017 19:11
Operator : SJ/JU
Sample : I3627-02DL 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5A08DL

Quant Time: Jun 22 02:12:59 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 22 02:10:17 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	1676	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	9304	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	5701	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	14151	0.40	ng/ul	0.00
16) Chrysene-d12	21.25	240	15468	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	14598	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	819	0.06	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	2166	0.06	ng/ul	0.00

Target Compounds				Qvalue		
3) Naphthalene	10.56	128	1001	0.04	ng/ul#	88
5) 2-Methylnaphthalene	12.18	142	248	0.02	ng/ul	96
7) Acenaphthylene	14.08	152	2973	0.12	ng/ul	98
8) Acenaphthene	14.42	153	750	0.04	ng/ul	97
9) Fluorene	15.41	166	1254	0.05	ng/ul	93
11) Pentachlorophenol	16.76	266	24	0.01	ng/ul#	58
12) Phenanthrene	17.14	178	12879	0.33	ng/ul#	91
13) Anthracene	17.22	178	4348	0.13	ng/ul#	93
15) Fluoranthene	19.15	202	32140	0.67	ng/ul	84
17) Pyrene	19.51	202	40874	0.90	ng/ul#	88
18) Benzo(a)anthracene	21.24	228	20924	0.51	ng/ul#	86
19) Chrysene	21.29	228	26167	0.61	ng/ul	97
21) Benzo(b)fluoranthene	22.93	252	50101	1.13	ng/ul	87
22) Benzo(k)fluoranthene	22.93	252	50101	1.06	ng/ul#	89
23) Benzo(a)pyrene	23.55	252	20530	0.49	ng/ul#	82
24) Indeno(1,2,3-cd)pyrene	26.18	276	12515	0.26	ng/ul#	88
25) Dibenzo(a,h)anthracene	26.19	278	3347	0.08	ng/ul#	81
26) Benzo(g,h,i)perylene	26.95	276	9012	0.22	ng/ul	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : BE093322.D

Acq On : 21 Jun 2017 19:11

Operator : SJ/JU

Sample : I3627-02DL 5X

Misc :

ALS Vial : 16 Sample Multiplier: 1

Instrument :

BNA_E

ClientSampleId :

F5A08DL

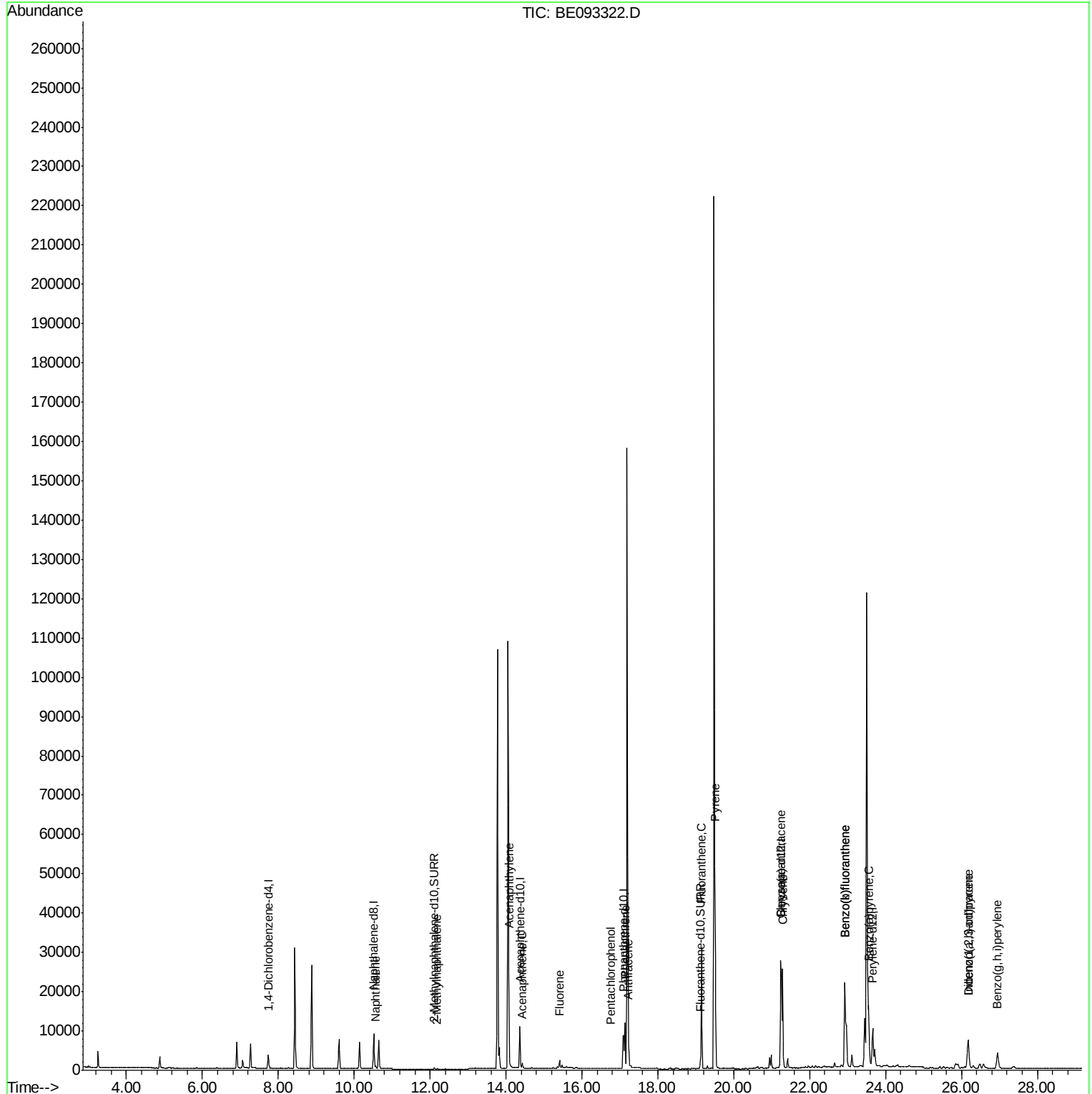
Quant Time: Jun 22 02:12:59 2017

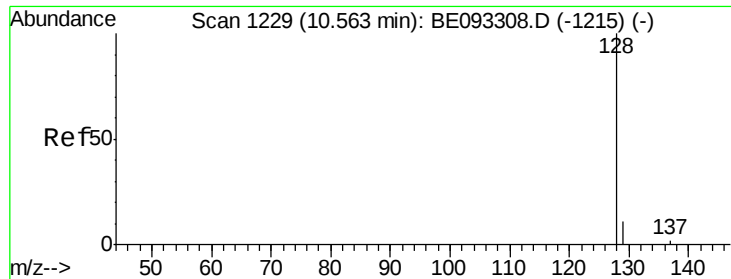
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Jun 22 02:10:17 2017

Response via : Initial Calibration





#3

Naphthalene

Concen: 0.04 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. -0.00 min

Lab File: BE093322.D

Acq: 21 Jun 2017 19:11

Instrument :

BNA_E

ClientSampleId :

F5A08DL

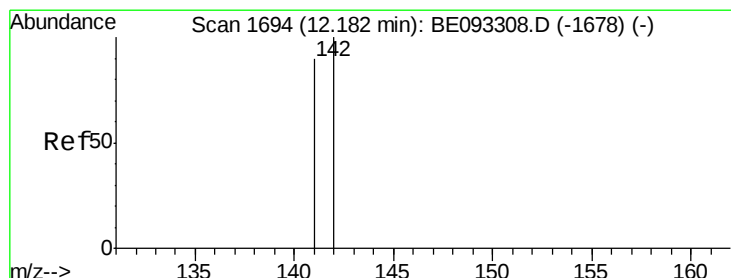
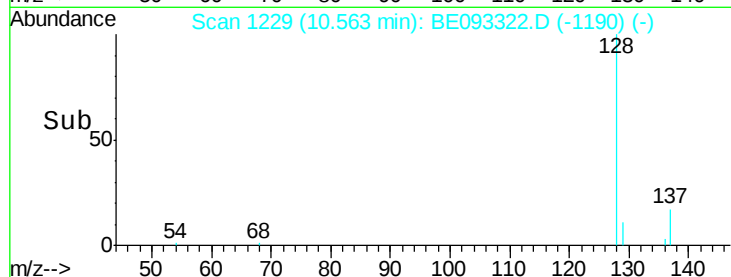
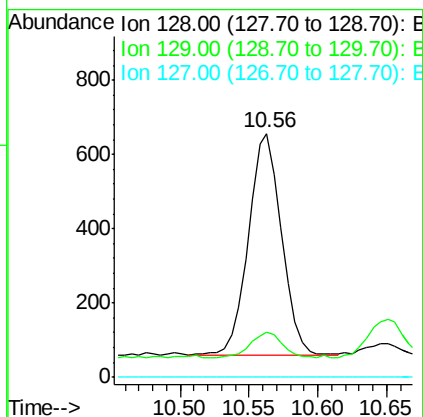
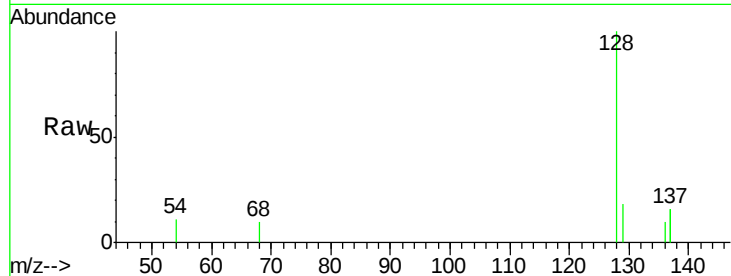
Tgt Ion:128 Resp: 1001

Ion Ratio Lower Upper

128 100

129 18.3 11.3 16.9#

127 0.0 4.0 6.0#



#5

2-Methylnaphthalene

Concen: 0.02 ng/ul

RT: 12.18 min Scan# 1694

Delta R.T. -0.00 min

Lab File: BE093322.D

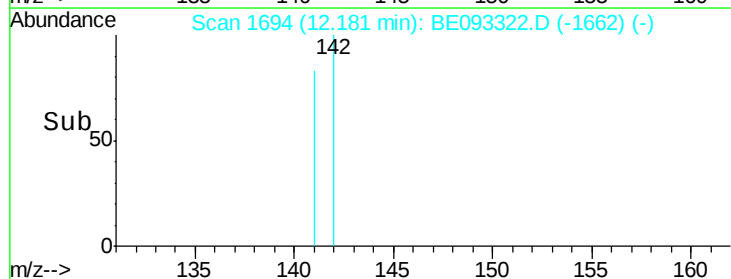
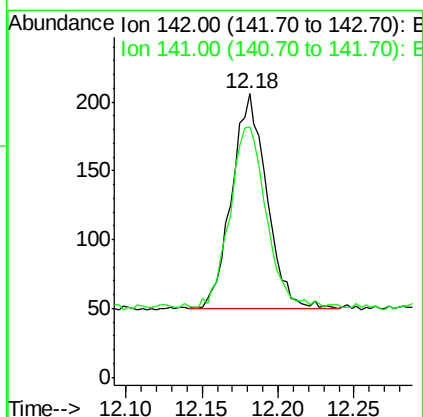
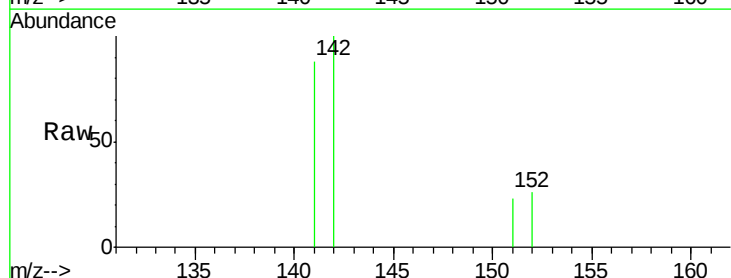
Acq: 21 Jun 2017 19:11

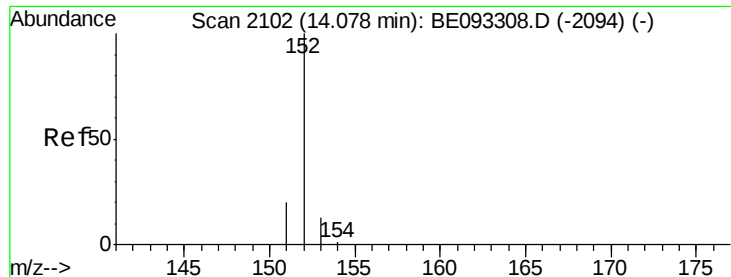
Tgt Ion:142 Resp: 248

Ion Ratio Lower Upper

142 100

141 87.1 72.6 108.8





#7

Acenaphthylene

Concen: 0.12 ng/ul

RT: 14.08 min Scan# 2102

Delta R.T. -0.00 min

Lab File: BE093322.D

Acq: 21 Jun 2017 19:11

Instrument :

BNA_E

ClientSampleId :

F5A08DL

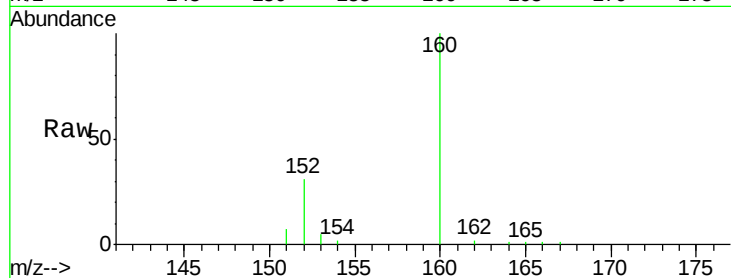
Tgt Ion:152 Resp: 2973

Ion Ratio Lower Upper

152 100

151 23.0 17.1 25.7

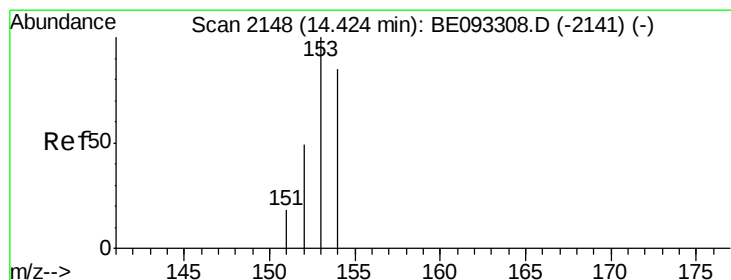
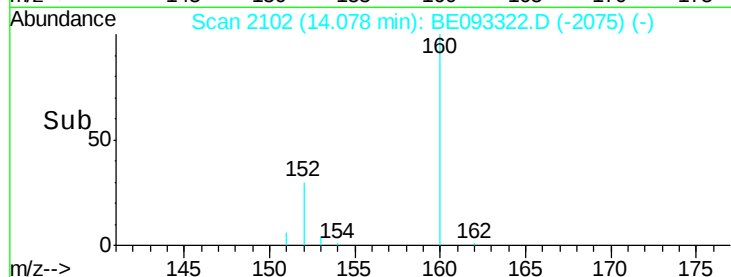
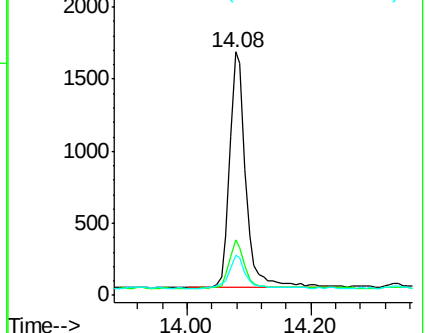
153 16.5 12.8 19.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#8

Acenaphthene

Concen: 0.04 ng/ul

RT: 14.42 min Scan# 2148

Delta R.T. -0.00 min

Lab File: BE093322.D

Acq: 21 Jun 2017 19:11

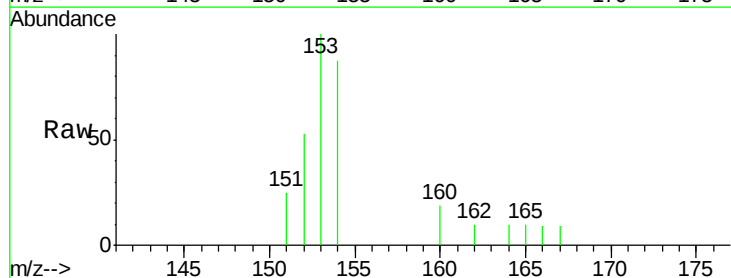
Tgt Ion:153 Resp: 750

Ion Ratio Lower Upper

153 100

152 52.8 40.3 60.5

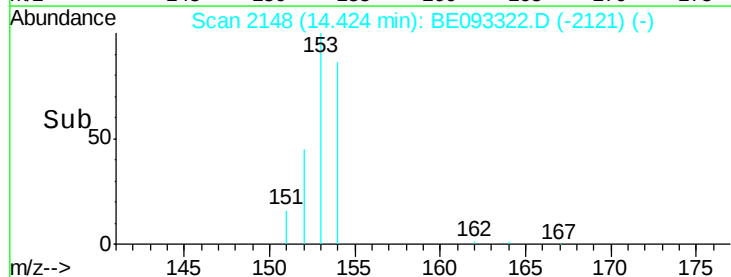
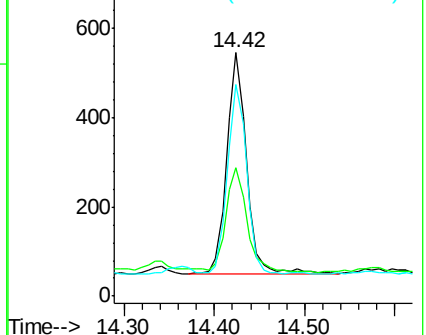
154 87.2 71.4 107.2

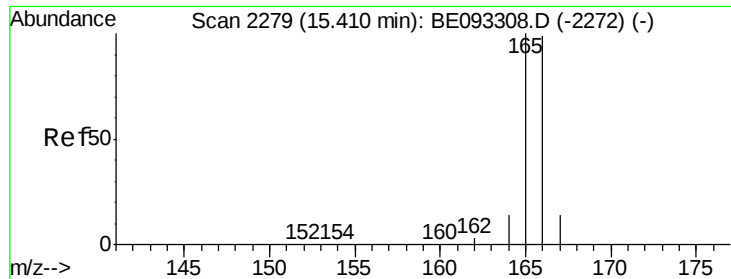


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.05 ng/ul

RT: 15.41 min Scan# 2279

Delta R.T. -0.00 min

Lab File: BE093322.D

Acq: 21 Jun 2017 19:11

Instrument :

BNA_E

ClientSampleId :

F5A08DL

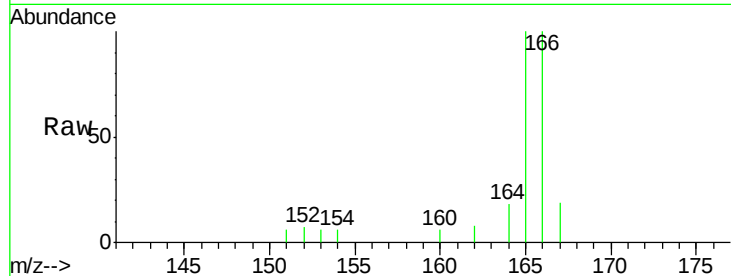
Tgt Ion:166 Resp: 1254

Ion Ratio Lower Upper

166 100

165 99.6 73.4 110.2

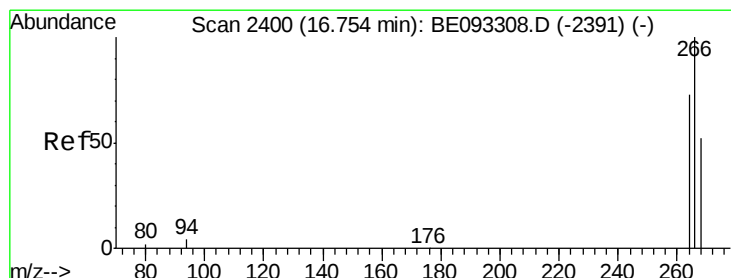
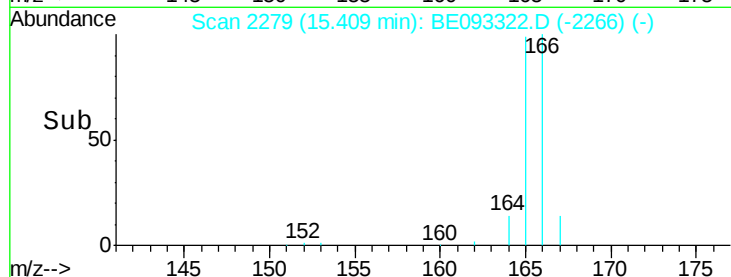
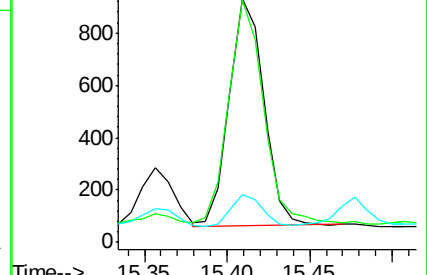
167 19.4 14.6 22.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#11

Pentachlorophenol

Concen: 0.01 ng/ul

RT: 16.76 min Scan# 2400

Delta R.T. 0.00 min

Lab File: BE093322.D

Acq: 21 Jun 2017 19:11

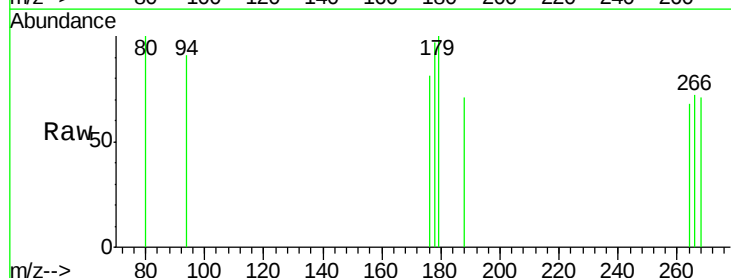
Tgt Ion:266 Resp: 24

Ion Ratio Lower Upper

266 100

264 41.7 47.9 71.9#

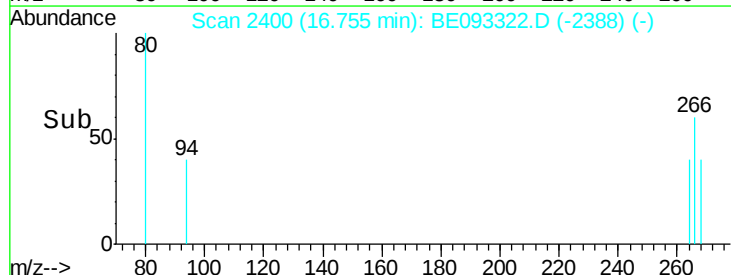
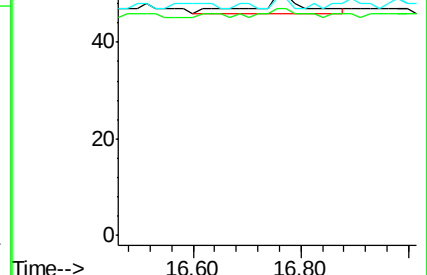
268 16.7 49.8 74.8#

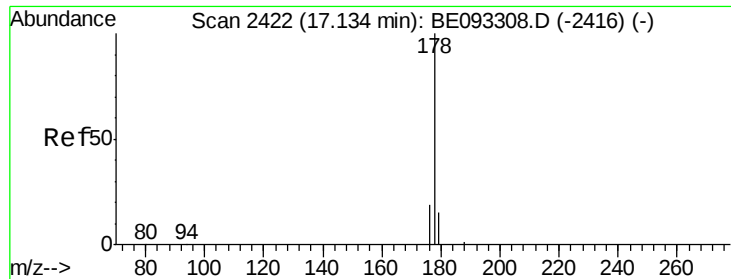


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.33 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. 0.00 min

Lab File: BE093322.D

Acq: 21 Jun 2017 19:11

Instrument :

BNA_E

ClientSampleId :

F5A08DL

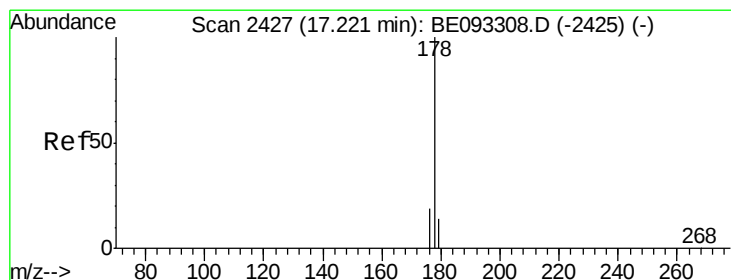
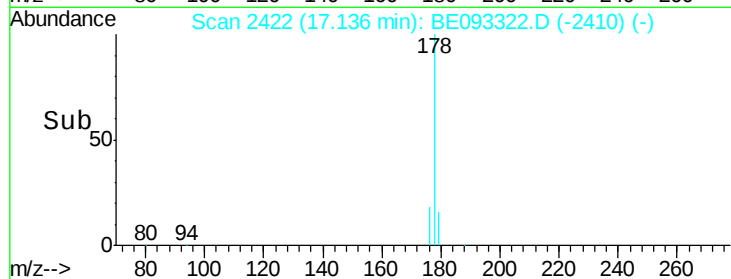
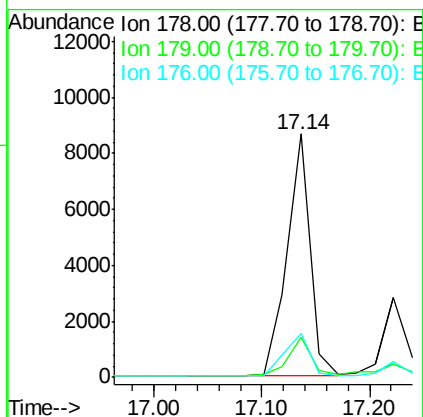
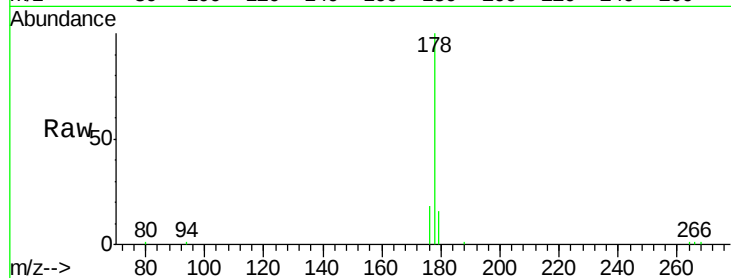
Tgt Ion:178 Resp: 12879

Ion Ratio Lower Upper

178 100

179 16.3 18.4 27.6#

176 18.3 13.6 20.4



#13

Anthracene

Concen: 0.13 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BE093322.D

Acq: 21 Jun 2017 19:11

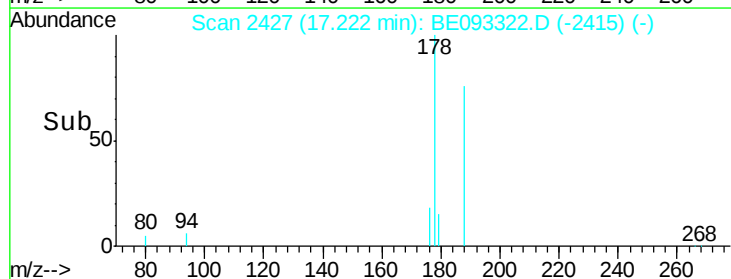
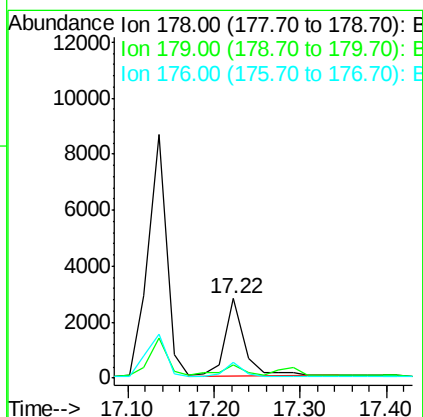
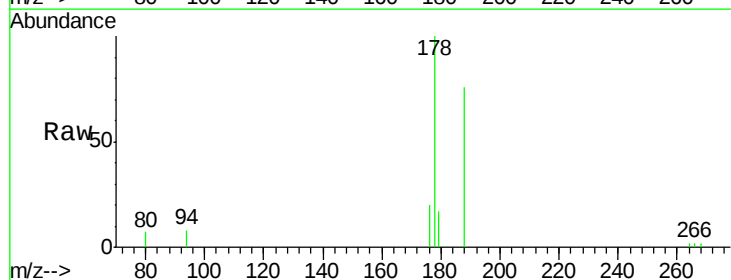
Tgt Ion:178 Resp: 4348

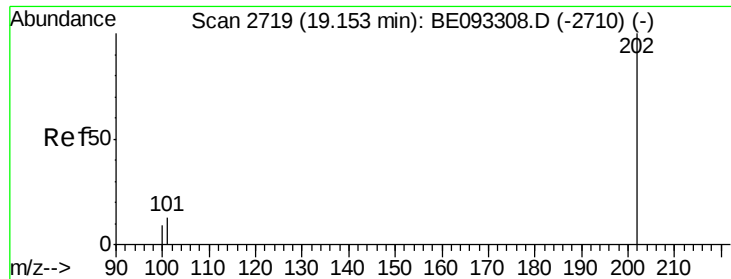
Ion Ratio Lower Upper

178 100

179 17.3 18.1 27.1#

176 19.7 14.7 22.1

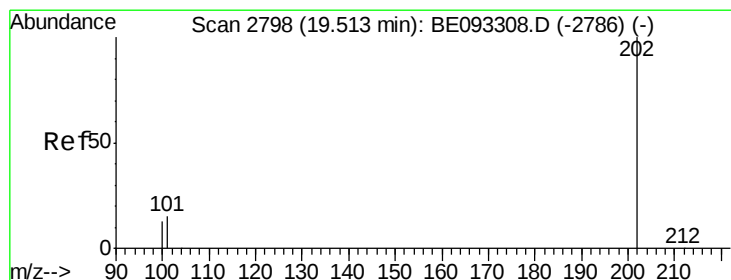
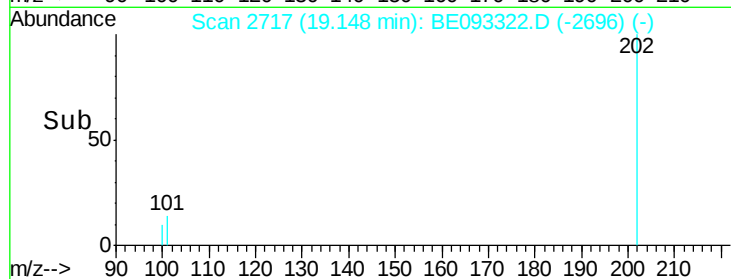
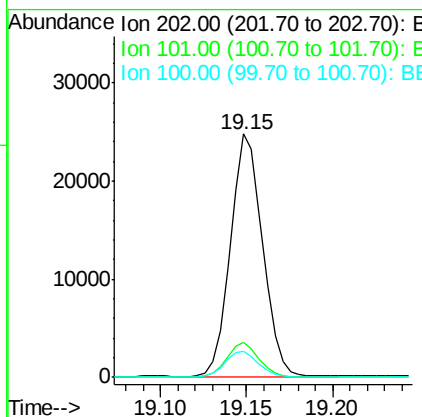
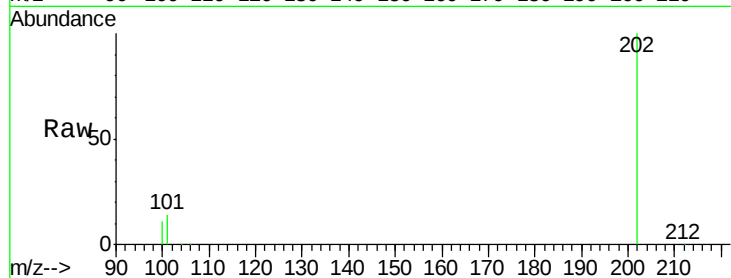




#15
Fluoranthene
Concen: 0.67 ng/ul
RT: 19.15 min Scan# 2717
Delta R.T. -0.00 min
Lab File: BE093322.D
Acq: 21 Jun 2017 19:11

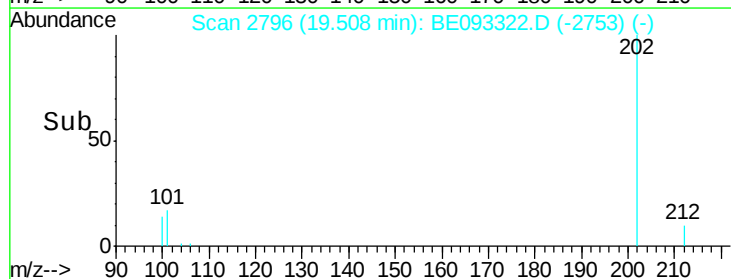
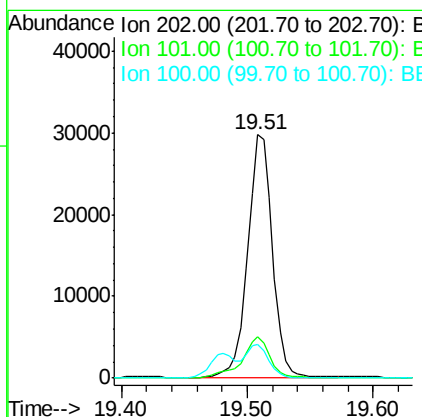
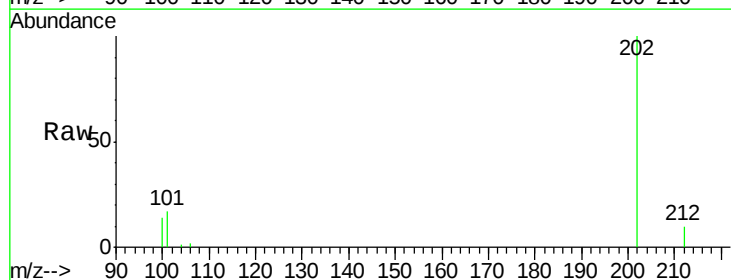
Instrument :
BNA_E
ClientSampleId :
F5A08DL

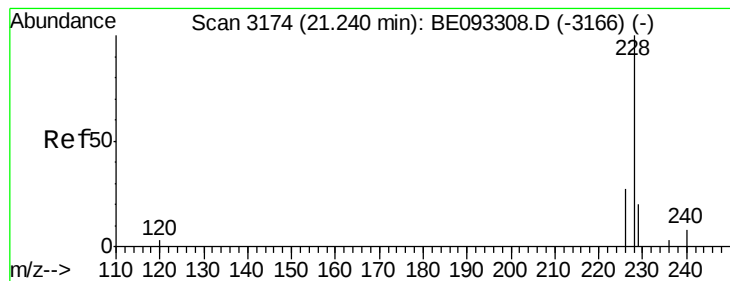
Tgt Ion:202 Resp: 32140
Ion Ratio Lower Upper
202 100
101 14.2 0.0 30.3
100 10.6 0.0 39.5



#17
Pyrene
Concen: 0.90 ng/ul
RT: 19.51 min Scan# 2796
Delta R.T. -0.00 min
Lab File: BE093322.D
Acq: 21 Jun 2017 19:11

Tgt Ion:202 Resp: 40874
Ion Ratio Lower Upper
202 100
101 16.8 18.2 27.4#
100 14.0 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 0.51 ng/ul

RT: 21.24 min Scan# 3173

Delta R.T. -0.00 min

Lab File: BE093322.D

Acq: 21 Jun 2017 19:11

Instrument :

BNA_E

ClientSampleId :

F5A08DL

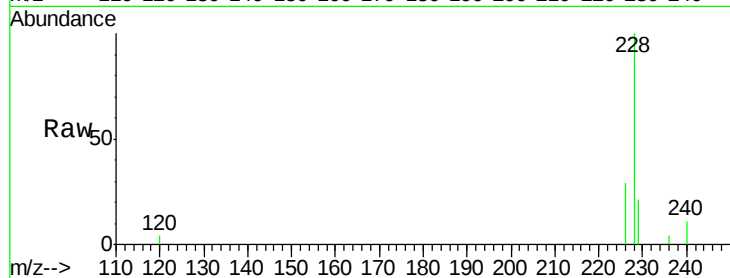
Tgt Ion:228 Resp: 20924

Ion Ratio Lower Upper

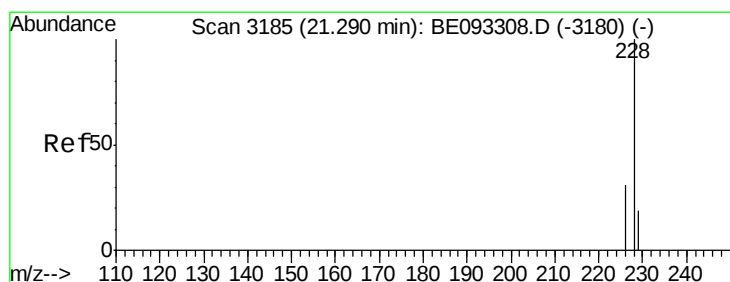
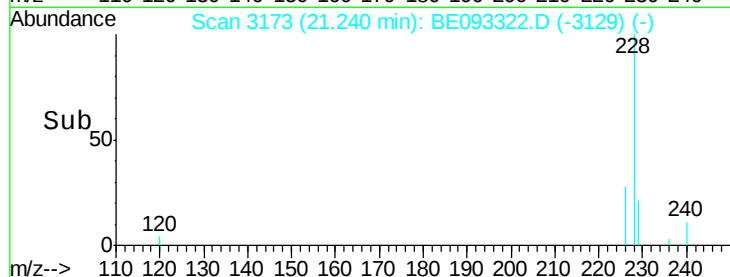
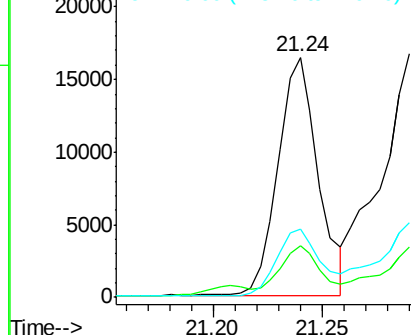
228 100

229 21.3 22.8 34.2#

226 28.6 17.0 25.6#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#19

Chrysene

Concen: 0.61 ng/ul

RT: 21.29 min Scan# 3184

Delta R.T. -0.00 min

Lab File: BE093322.D

Acq: 21 Jun 2017 19:11

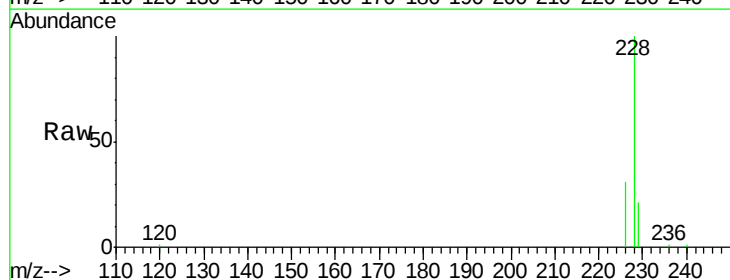
Tgt Ion:228 Resp: 26167

Ion Ratio Lower Upper

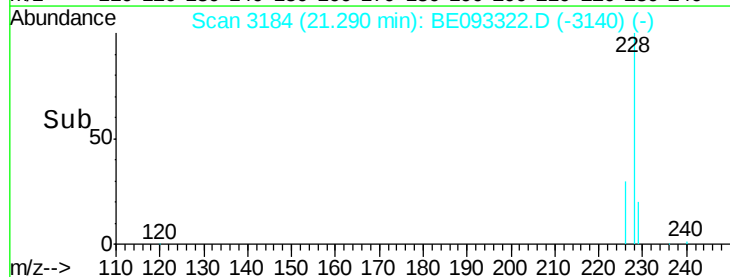
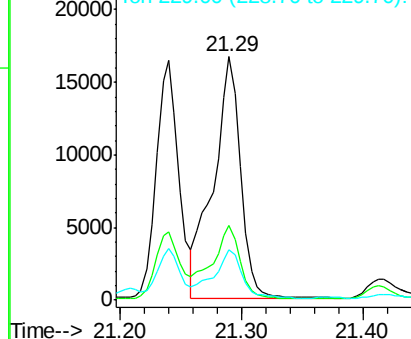
228 100

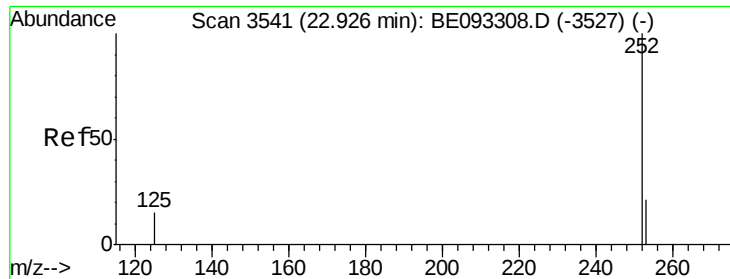
226 30.7 23.4 35.0

229 20.8 17.7 26.5



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 1.13 ng/ul

RT: 22.93 min Scan# 3540

Delta R.T. 0.00 min

Lab File: BE093322.D

Acq: 21 Jun 2017 19:11

Instrument :

BNA_E

ClientSampleId :

F5A08DL

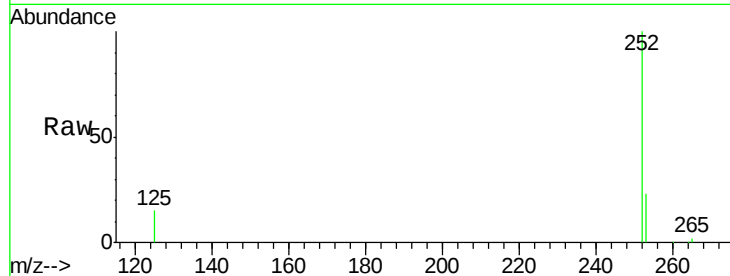
Tgt Ion:252 Resp: 50101

Ion Ratio Lower Upper

252 100

253 22.6 0.0 64.2

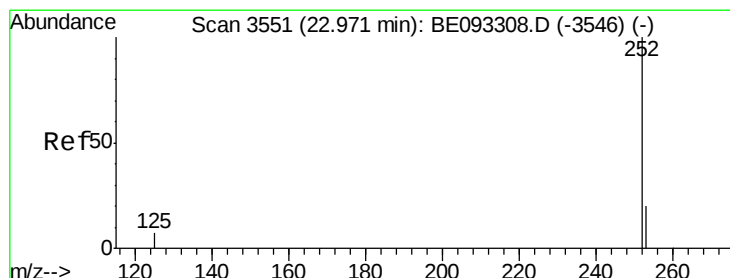
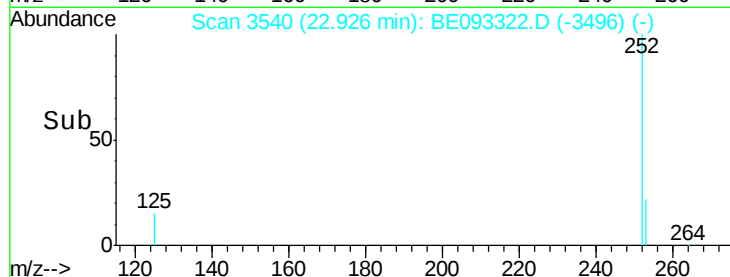
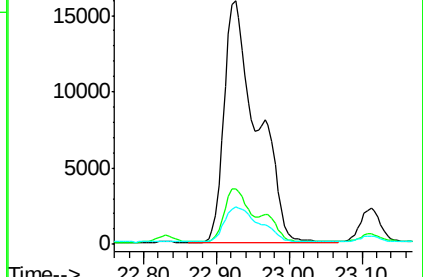
125 15.4 0.0 35.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#22

Benzo(k)fluoranthene

Concen: 1.06 ng/ul

RT: 22.93 min Scan# 3540

Delta R.T. -0.05 min

Lab File: BE093322.D

Acq: 21 Jun 2017 19:11

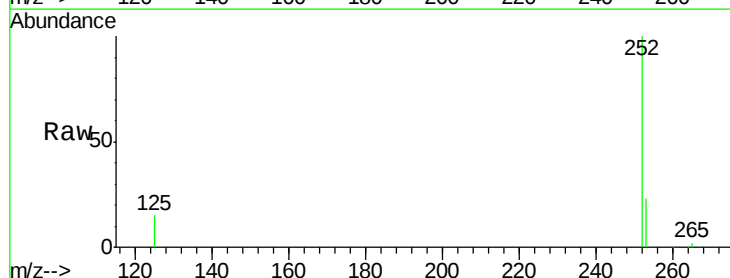
Tgt Ion:252 Resp: 50101

Ion Ratio Lower Upper

252 100

253 22.6 24.5 36.7#

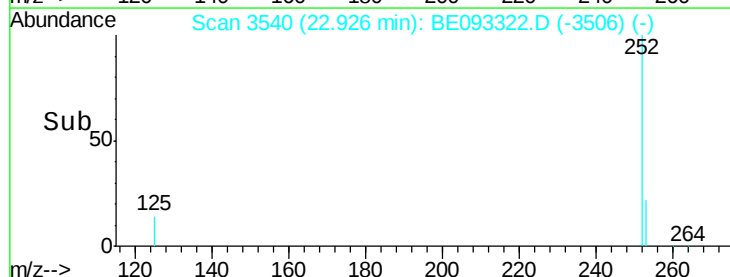
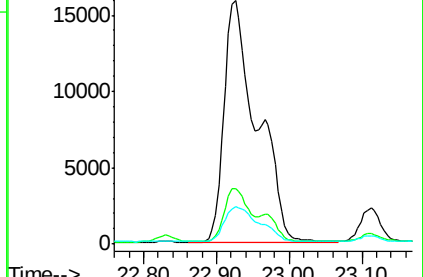
125 15.4 13.7 20.5

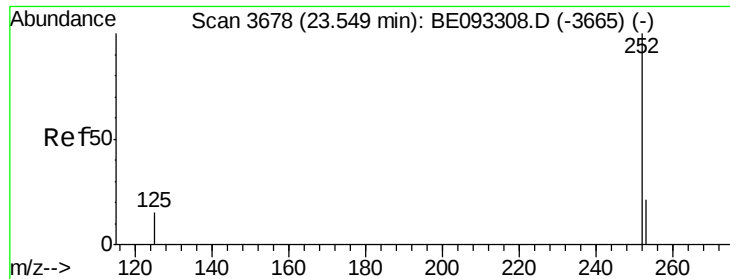


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.49 ng/ul

RT: 23.55 min Scan# 3677

Delta R.T. 0.00 min

Lab File: BE093322.D

Acq: 21 Jun 2017 19:11

Instrument :

BNA_E

ClientSampleId :

F5A08DL

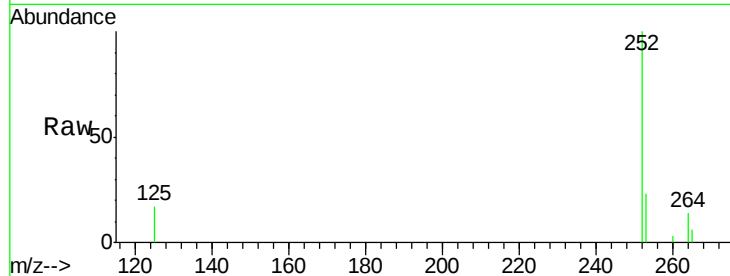
Tgt Ion:252 Resp: 20530

Ion Ratio Lower Upper

252 100

253 23.0 28.5 42.7#

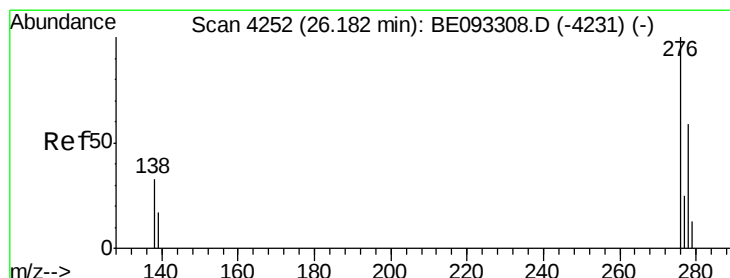
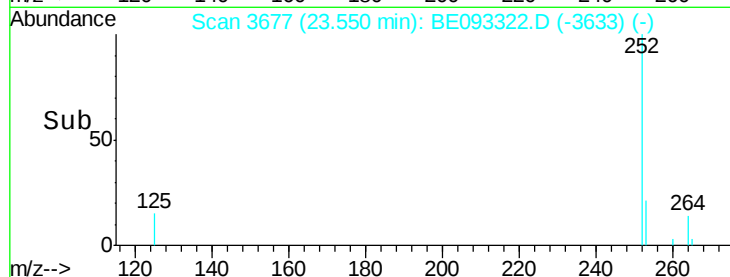
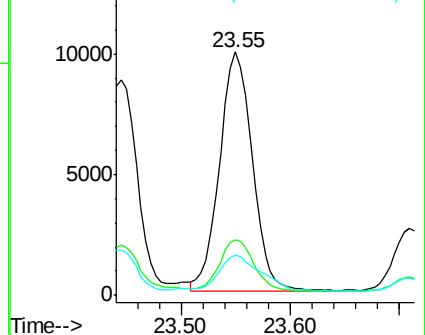
125 16.6 18.1 27.1#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.26 ng/ul

RT: 26.18 min Scan# 4250

Delta R.T. -0.00 min

Lab File: BE093322.D

Acq: 21 Jun 2017 19:11

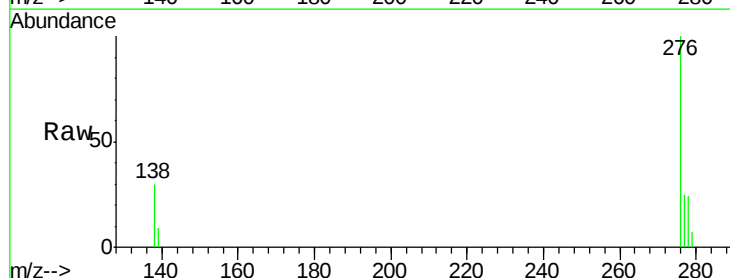
Tgt Ion:276 Resp: 12515

Ion Ratio Lower Upper

276 100

138 30.7 28.0 42.0

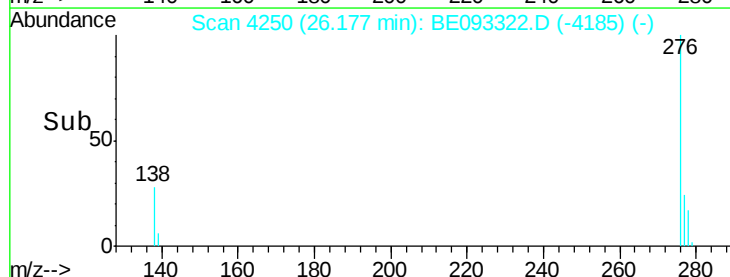
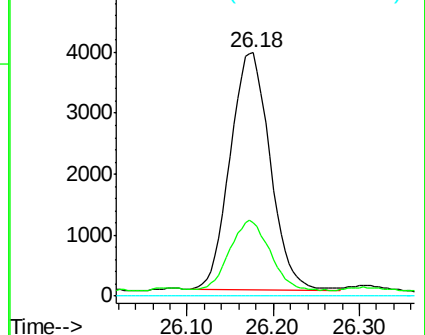
227 0.0 8.0 12.0#

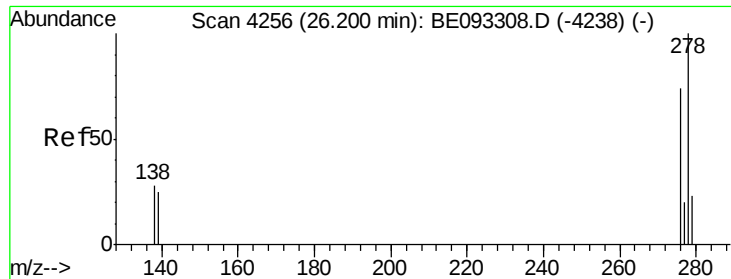


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.08 ng/ul

RT: 26.19 min Scan# 4252

Delta R.T. -0.01 min

Lab File: BE093322.D

Acq: 21 Jun 2017 19:11

Instrument :

BNA_E

ClientSampleId :

F5A08DL

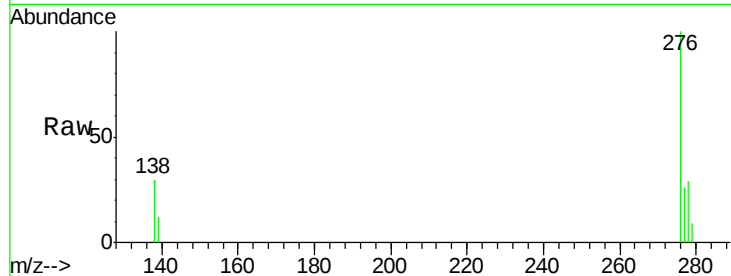
Tgt Ion:278 Resp: 3347

Ion Ratio Lower Upper

278 100

139 41.2 17.4 26.0#

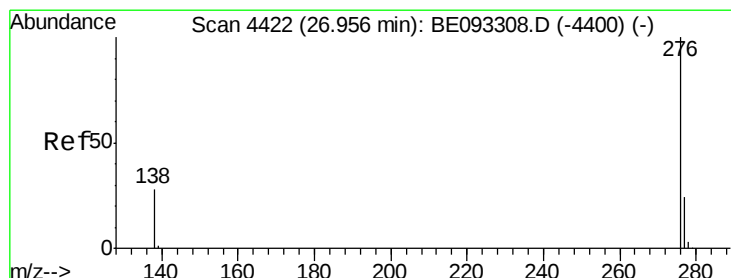
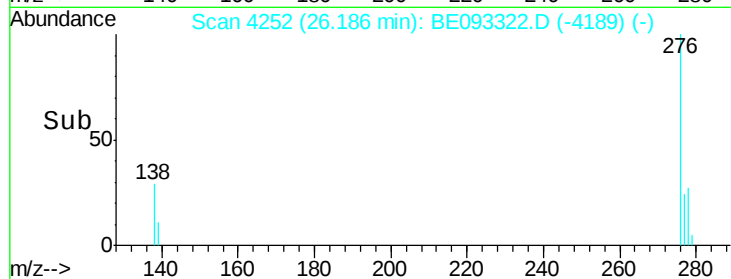
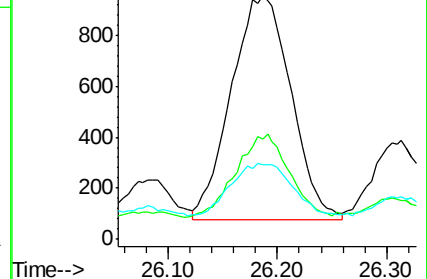
279 30.4 25.9 38.9



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#26

Benzo(g,h,i)perylene

Concen: 0.22 ng/ul

RT: 26.95 min Scan# 4419

Delta R.T. -0.01 min

Lab File: BE093322.D

Acq: 21 Jun 2017 19:11

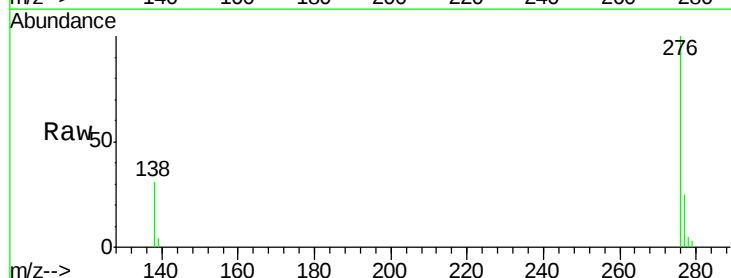
Tgt Ion:276 Resp: 9012

Ion Ratio Lower Upper

276 100

138 30.7 21.8 32.8

277 25.2 20.5 30.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

